# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:15 |
| S2 | 12180 | gyro | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:45 |
| S3 | 412 | 701/13.ccls. | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:46 |
| S4 | 336 | S3 and (@ad<="20021006" OR @pd<="20021006" OR @prad<="20021006" OR @rlad<="20021006") | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:48 |
| S5 | 127 | S2 and S3 | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:48 |
| S6 | 96 | S4 and S5 | US-PGPUB; USPAT | OR | ON | 2007/09/12 16:48 |
| S7 | 1 | "4746085".PN. | USPAT; USOCR | OR | ON | 2007/09/13 18:23 |
| S8 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:09 |
| S9 | 0 | contol$3 near moment near gyros | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:38 |
| S15 | 112 | control$3 near moment near gyros | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:38 |
| S16 | 224 | (control$3 near moment) and gyros | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:59 |
| S17 | 6 | S8 and S16 | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:45 |
| S18 | 180272 | rotor | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:46 |
| S19 | 5 | S17 and rotor | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:46 |
| S20 | 412 | 701/13.ccls. | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:54 |
| S21 | 10 | (control$3 near moment) and (gyros near rotor) | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:58 |
| S22 | 0 | S20 and S21 | US-PGPUB; USPAT | OR | ON | 2007/09/14 10:55 |
| S23 | 82 | array and S16 | US-PGPUB; USPAT | OR | ON | 2007/09/14 12:17 |

# EAST Search History

| S24 | 18 | lock$3 and S23 | US-PGPUB; USPAT | OR | ON | 2007/09/14 12:17 |
|-----|-----|-----|-----|-----|-----|-----|
| S25 | 1 | 10/681853 | US-PGPUB; USPAT | OR | ON | 2007/09/18 14:49 |
| S27 | 1 | "6231011".pn. | USPAT | OR | ON | 2007/09/18 14:51 |
| S30 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/09/18 16:09 |
| S31 | 749 | "11" and (control$3 near spacecraft) | US-PGPUB; USPAT | OR | ON | 2007/09/18 16:10 |
| S32 | 7 | S30 and (control$3 near spacecraft) | US-PGPUB; USPAT | OR | ON | 2007/09/19 09:54 |
| S35 | 988 | 244/164, 244/165 | US-PGPUB; USPAT | OR | ON | 2007/10/01 13:10 |
| S36 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/10/01 13:15 |
| S37 | 19117 | (locking$3 near unlock$3) and "11" | US-PGPUB; USPAT | OR | ON | 2007/10/01 13:16 |
| S40 | 105 | guro | US-PGPUB; USPAT | OR | ON | 2007/10/01 13:17 |
| S41 | 12235 | gyro | US-PGPUB; USPAT | OR | ON | 2007/10/01 13:18 |
| S42 | 81 | S37 and S41 | US-PGPUB; USPAT | OR | ON | 2007/10/01 15:44 |
| S43 | 0 | de-199956402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/01 15:44 |
| S44 | 0 | DE199956402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/01 15:45 |
| S45 | 0 | ("DE1999056402").PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/01 15:45 |

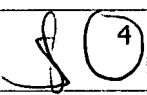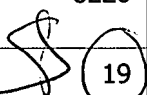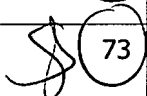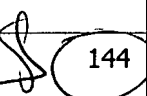| S46 | 0 | DE1999056402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:32 |
|-----|------|-----|-----|-----|-----|-----|
| S47 | 1 | (braking near steering) near (hydromotor ) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:33 |
| S48 | 2796 | (braking near steering) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:34 |
| S49 | 0 | hydraomotor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:34 |
| S50 | 1 | hydraumotor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:40 |
| S51 | 36504 | excavator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:40 |
| S52 | 5453 | brak$3 near steer$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 14:41 |

| S53 | 50 | S51 and S52 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:42 |
|---|---|---|---|---|---|---|
| S54 | 1846596 | (locking or stabilizing or fastening ) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:45 |
| S55 | 4688 | S54 and gyro | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:46 |
| S56 | 2094 | S55 and base | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:46 |
| S57 | 1786 | S56 and axis | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:46 |
| S58 | 1132 | S57 and rotate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:47 |
| S59 | 28770 | S58 gimbal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/02 16:47 |
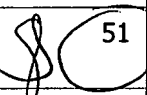
# EAST Search History

| S60 | 480 | S58 and gimbal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/03 12:22 |
|---|---|---|---|---|---|---|
| S61 | 0 | 10/647849 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/03 12:23 |
| S62 | 0 | "10647849" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/03 12:23 |
| S63 | 0 | (10/647849).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/10/03 12:23 |
| S64 | 0 | 10/647849 | US-PGPUB; USPAT | OR | ON | 2007/10/03 18:13 |
| S65 | 1 | "4253348".pn. | US-PGPUB; USPAT | OR | ON | 2007/10/04 08:44 |
| S66 | 2 | 10/476271 | US-PGPUB; USPAT | OR | ON | 2007/10/04 08:45 |
| S67 | 1 | 10/681853 | US-PGPUB; USPAT | OR | ON | 2007/10/09 12:39 |
| S73 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/10/09 17:43 |
| S74 | 2224626 | (lock$3 or stabili$ or fasten$3 ) | US-PGPUB; USPAT | OR | ON | 2007/10/09 14:34 |
| S75 | 3 | S73 and S74 | US-PGPUB; USPAT | OR | ON | 2007/10/09 16:42 |
| S76 | 1 | 10/882240 | US-PGPUB; USPAT | OR | ON | 2007/10/09 16:42 |
| S81 | 1 | 10/818756 | US-PGPUB; USPAT | OR | ON | 2007/10/09 16:59 |
| S82 | 1 | 10/819986 | US-PGPUB; USPAT | OR | ON | 2007/10/09 16:59 |
| S83 | 8220 | reorientation | US-PGPUB; USPAT | OR | ON | 2007/10/09 17:44 |

# EAST Search History

| S84 | 4 | S83 and S73 | US-PGPUB; USPAT | OR | ON | 2007/10/09 17:44 |
|---|---|---|---|---|---|---|
| S85 | 836369 | bearing | US-PGPUB; USPAT | OR | ON | 2007/10/10 10:02 |
| S86 | 11 | ("20020040950"\|"20020145077"\|"6039290"\|"6128556"\|"6131056"\|"6154691"\|"6231011"\|"6285927"\|"6305647"\|"6311931"\|"6360996").PN. | US-PGPUB; USPAT | OR | ON | 2007/10/10 10:03 |
| S87 | 4 | S85 and S86 | US-PGPUB; USPAT | OR | ON | 2007/10/10 10:33 |
| S88 | 4 | bearing and S86 | US-PGPUB; USPAT | OR | ON | 2007/10/10 10:33 |
| S89 | 2 | 09/828639 | US-PGPUB; USPAT | OR | ON | 2007/10/10 11:51 |
| S90 | 1075225 | memory | US-PGPUB; USPAT | OR | ON | 2007/10/10 11:51 |
| S91 | 2 | S86 and S90 | US-PGPUB; USPAT | OR | ON | 2007/10/10 16:01 |
| S93 | 386 | 244/164.ccls. | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:23 |
| S94 | 8220 | reorientation | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:24 |
| S95 | 19 | S93 and S94 | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:26 |
| S96 | 73 | dat near memory | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:26 |
| S97 | 162671 | data near memory | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:26 |
| S99 | 12010 | spacecraft | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:27 |
| S101 | 144 | S94 and S99 | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:37 |
| S102 | 51 | S101 and failure | US-PGPUB; USPAT | OR | ON | 2007/10/10 17:37 |
| S103 | 1 | "5721566".PN. | USPAT; USOCR | OR | ON | 2007/10/10 17:59 |